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VARIABLE BIT-RATE ENCODING

ABSTRACT

A process encodes video or image data. The process includes estimating forms of a plurality of functions and estimating a best quality value for producing encoded frames with sizes that satisfy one or more constraints. Each function relates encoded size to encoded quality for an associated frame. Each frame has data for one or more images. The constraints are associated with transmission line bandwidth or receiver buffer size. The estimating a best quality value is based in part on the functions. The process also includes transmitting frames encoded with approximately the best quality value to a transmission line.

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